

Climate Change Mitigation Program
(as of February 4, 2019)
(updates Phase I, Items H, I, J, K, & L)

Phase I. Now to 2020: What we are doing now and what can put into place soon.

- A. Stormwater Program. Started in 2018; ten year plan funded and in second year. Major step for Sunset Beach. POC: Stormwater Manager.
- B. Coastal Area Management Act (CAMA) regulations in effect. POC: P&I Dept
- C. UDO Article 12 Environmental Regulations implementation. POC: P&I Dept
- D. NC Energy Conservation Code (NCECC), follow chapter 4 (residential) and chapter 5 (commercial) energy conservation requirements for new buildings. POC: P&I Dept
- E. Voluntary Recycling Program. Expand participation. POC: DPW
- F. Re-activate Environmental Resource Committee (ERC): POC: Town Council
- G. Incorporate into emergency recovery programs steps to prepare future (in addition to recovery). POC: Town Staff
- H. Completed the Living Shoreline Project at the Sunset Beach Town Park. Work to identify and expand the Living Shoreline Project to other shoreline areas. POC: DPW
- I. Work with regional environmental groups, eg. Brunswick Environmental Action Team (BEAT), NC Coastal Federation)
- J. Complete the sidewalk made of pervious concrete on Main Street. The project has been funded and work began in Jan 2019. POC: DPW
- K. Approved contract for conversion of lighting in Town of Sunset Beach government properties to LED lighting.
- L. Town Council formally approve a resolution adopting the Climate Change Mitigation Program.

Phase II. 2020 to 2025: Actions that will take some time to develop, organize, and perhaps fund.

- A. Initiate discussion of a long term plan with NC DOT to raise low lying road beds such as along Sunset Blvd South (causeway from bridge to the island). POC: GSATS, NCDOT, and DPW.
- B. Explore potential need and how to protect shoreline along Shoreline Drive West across from Twin Lakes. POC: ERC
- C. Explore pros, cons, and costs of a mandatory recycling program. POC: ERC
- D. Explore adding recycling cans to the beach access ways. POC: ERC
- E. Develop a rain gutter and downspout promotion plan with education, grant, financial incentives. Mainland and Island variations. Inventory homes for gutters, downspouts to surface; downspouts into the ground. POC: ERC
- F. Explore program to raise bulkhead levels (up to two feet) on waterfront properties. POC: ERC
- G. Explore technological advances applicable to SB. POC: ERC
- H. Monitor need for beach dune protection and enhancement programs. POC: DPW, ERC
- I. Continue to identify and implement environmental protection programs. POC: ERC
- J. Explore banning/limiting single use plastics (straws, bags, flatware). POC: ERC

Phase III. 2025 to 2040: Major actions involving a longer term implementation process.

- A. Update Stormwater Program. Ten-year plan is a catch up program. Need to move forward with yearly reviews, revisions and funding. POC: SW Manager/Town Council.
- B. Implement road bed programs. POC: GSATS, NCDOT, and DPW.
- C. Implement bulkhead program. POC: P&I Dept
- D. Continue to construct Living Shorelines. POC: DPW

Phase IV. 2040 to 2100: Long range measures.

- A. Complete Infrastructure modifications.

Talking Points:

This program is premised on the assumption that Sunset Beach, as a coastal community, will be impacted by climate change at some point in time, and in ways yet to be clearly determined.

The program assumes impacts could come from more severe and frequent storms, increasing higher tidal extremes, higher (rising) sea levels, pollution, and impacts of global warming.